

ADAM-4050

ADAM-4051

ADAM-4052

15-ch Digital I/O Module

16-ch Isolated Digital Input Module with Modbus

8-ch Isolated Digital Input Module



ADAM-4050



ADAM-4051



ADAM-4052



Specifications

General

- Connectors 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- Power Consumption 0.4 W @ 24 V_{DC}
- Watchdog Timer System (1.6 second)
- Supported Protocols ASCII command

Digital Input

- Channels 7
- Input Level Logic level 0: 1 V max.
Logic level 1: 3.5 ~ 30 V
Pull up current: 0.5 mA,
10 kΩ resistor to 5 V

Digital Output

- Channels 8
open collector to 30 V,
30 mA max. load
- Power Dissipation 300 mW

Specifications

General

- Connectors 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- Power Consumption 1 W @ 24 V_{DC}
- Watchdog Timer System (1.6 second)
- Supported Protocols ASCII command and Modbus/RTU
- LED Indicators Yes

Digital Input

- Channels 16
- Input Voltage 50 V max
- Input Level Dry contact:
Logic level 0: open
Logic level 1: close to GND
Wet contact:
Logic level 0: 3 V max
Logic level 1: 10 ~ 50 V
(Note: Digital Input levels 0 and 1 can be inverted)
- Isolation Voltage 2,500 V_{DC}
- Input Resistance 5.2 kΩ
- Overvoltage Protection 70 V_{DC}

Specifications

General

- Connectors 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- Power Consumption 0.4 W @ 24 V_{DC}
- Watchdog Timer System (1.6 second)
- Supported Protocols ASCII command

Digital Input

- Channels 8
(6 fully independent isolated channels, 2 isolated channels with common ground)
- Input Level Logic level 0: 1 V max.
Logic level 1: 3 ~ 30 V
- Isolation Voltage 5,000 V_{RMS}
- Input Resistance 3 kΩ

Common Specifications

General

- Power Input Unregulated 10 ~ 30 V_{DC}

Environment

- Operating Humidity 5 ~ 95% RH
- Operating Temperature -10 ~ 70°C (14 ~ 158°F)
- Storage Temperature -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

- ADAM-4050 15-ch Digital I/O Module
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- ADAM-4052 8-ch Isolated Digital Input Module